

# Building for macOS

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## Dependencies:

It's recommended that you use [homebrew](#) to install dependencies. You'll need to download and install the following to build Citra:

- [CMake](#) ( `brew install cmake` )
- A recent version of Xcode and the Xcode command line tools

## Cloning Citra in Git:

```
git clone --recursive https://github.com/citra-emu/citra
cd citra
```



## Using CMake:

Create a build folder and generate makefiles for the build:

```
mkdir build
cd build
cmake ..
```



## Building Citra

```
make -j4
```



A `citra-qt.app` application bundle will now be present under `build/bin/`. Note that this is non-portable and only works on your machine. You can create distributable bundles as well by running `make bundle` and checking the output in `build/bundle/`.

## About building on Apple Silicon machines

To build Citra targeting macOS on ARM, the process is largely the same. A few things to note are:

- Make sure the Homebrew version you have installed is the ARM version
- If you are cross-compiling from an x86\_64 machine for ARM, when running the `cmake` command you'll want to use this command instead:

```
cmake .. -DCMAKE_OSX_ARCHITECTURES="arm64"
```



- Similarly, if you are cross-compiling from an ARM machine for x86\_64, you'll want to use this command:

```
cmake .. -DCMAKE_OSX_ARCHITECTURES="x86_64"
```



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```
https://github.com/citra-emu/citra.wiki.git
```

